Amendment to the specification:

Replace the paragraph beginning on page 9, line 28 as follows:

-- Embodiments of the present invention detailed in FIGS. <u>4-8</u> [[4-9]] enable the Temperature 1 characteristic 201, and hence light output-A 310 <u>in FIG. 3,</u> to be maintained regardless of changes in temperature or age. Characteristic drift that changes the slope of current characteristics and reduces light output is prevented by continuously and accurately monitoring and adjusting input bias and modulation current using digital signal processing techniques.--

Replace the paragraph beginning on page 12, line 12 as follows:

--A servo is a functionality used to control and maintain a given variable in a system. A first element of a servo is the output variable. The desired value of the output variable is the Set Point. Another element of the servo is the feedback path, which measures the value of the output variable. Another element of the servo is the Controller. The Controller has a Set Point as an input, which determines the desired value of the output variable. The Controller makes a comparison between the feedback signal and the Set Point and <u>provides</u> ~~provided~~ the difference to a set of programs<u>. The programs</u> [[,]] ~~which~~ contain models and algorithms used to manage the rate and characteristic profile by <u>making</u> ~~which~~ adjustments <u>to</u> ~~of~~ the output variable ~~will occur~~. The last element of the servo is the forward path, which provides the means <u>to change</u> ~~by which~~ the output variable ~~can be changed~~.--